

Converting Colors

$Y_{xy}(18.5505, 0.2439, 0.2121)$

Have a look what the booklet for
Yxy(18.5505, 0.2439, 0.2121)
contains.

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Color

Yxy(18.6264, 0.2435, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	7270B8
RGB	114, 112, 184
RGB Percent	45%, 44%, 72%
CMY	0.5529, 0.5608, 0.2785
CMYK	0.38, 0.39, 0.00, 0.28
HSL	242°, 34%, 58%
HSV	242°, 39%, 72%
XYZ	21.3839, 18.6264, 47.8086
YIQ	120.8060, -21.9200, 22.8160

Conversions

Conversions Part 2

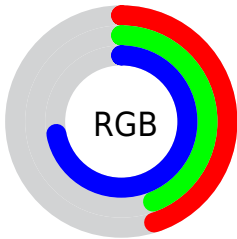
Format	Color
R_{YB}	114, 112, 184
Decimal	7499960
CIE _{Lab}	50.25, 18.55, -37.79
CIE _{LCh}	50, 42.102, 296.148
Yxy	18.6264, 0.2435, 0.2121
Android (android.graphics.Color)	4285690040 (0xFF7270B8)
YUV	120.8060, 31.1546, -5.9689
Hunter-Lab	43.1583, 12.9154, -35.4677

Details

The Yxy color **18.6264, 0.2435, 0.2121** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45.3903, 0.3686, 0.4252**, and the grayscale version is **18.9580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1670, 0.2590, 0.2362**, and **6.2706, 0.2164, 0.1743** is the 20% darker color. If you saturate the color by 10%, you get **13.8886, 0.2225, 0.1771**, and if you desaturate by 10%, it is **24.4297, 0.2637, 0.2460**.

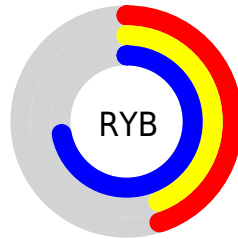
Distribution



Red (45%)

Green (44%)

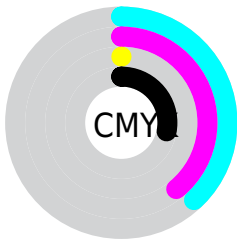
Blue (72%)



Red (45%)

Yellow (44%)

Blue (72%)

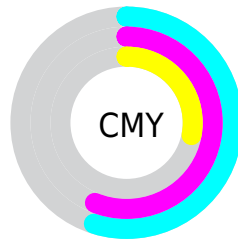


Cyan (38%)

Magenta (39%)

Yellow (0%)

Black (28%)



Cyan (55%)

Magenta (56%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6264, 0.2435, 0.2121 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.6264, 0.2435, 0.2121 by changing the saturation by 10% instead.

■ 18.6264, 0.2435,
0.2121

■ 18.6264, 0.2435,
0.2121

244.3784, 0.2829,
0.2743

■ 11.4006, 0.2321,
0.1958

■ 41.1018, 0.2590,
0.2354

■ 6.3370, 0.2167,
0.1746

■ 57.1203, 0.2644,
0.2440

■ 3.0511, 0.1948,
0.1464

■ 76.8385, 0.2689,
0.2511

■ 1.1584, 0.1624,
0.1084

■ 100.6407, 0.2726,
0.2572

■ 0.0274, 0.1092,
0.0062

128.9114, 0.2758,
0.2624

■ 0.0000, 0.0000,
0.0000

162.0350, 0.2785,

0.2669

200.3959, 0.2808,
0.2708

■ 18.6264, 0.2435,
0.2121

■ 18.6264, 0.2435,
0.2121

■ 13.8886, 0.2225,
0.1771

■ 24.4297, 0.2637,
0.2460

■ 10.1496, 0.2019,
0.1429

■ 31.3557, 0.2824,
0.2776

■ 7.3386, 0.1832,
0.1121

■ 39.4599, 0.2992,
0.3060

■ 5.3744, 0.1679,
0.0873

■ 48.7935, 0.3139,
0.3311

■ 4.1620, 0.1572,
0.0704

■ 59.4047, 0.3267,
0.3530

■ 3.5382, 0.1513,
0.0612

■ 71.3391, 0.3378,
0.3719

■ 3.4931, 0.1509,
0.0605

■ 84.6402, 0.3473,
0.3882

■ 96.2402, 0.3550,
0.3989

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.6264, 0.1959, 0.2124



18.6264, 0.2435, 0.2121



18.6264, 0.3162, 0.2352

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.6264, 0.2435, 0.2121



18.6264, 0.4690, 0.3894



18.6264, 0.2268, 0.3847

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.6264, 0.2435, 0.2121



45.3903, 0.3686, 0.4252

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.6264, 0.2935, 0.4569



18.6264, 0.2435, 0.2121



18.6264, 0.4343, 0.4436

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.6264, 0.2435, 0.2121



18.6264, 0.4570, 0.3312



18.6264, 0.3694, 0.4755



18.6264, 0.1864, 0.3002

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.6264, 0.2435, 0.2121



18.6264, 0.3714, 0.2616



18.6264, 0.3694, 0.4755



18.6264, 0.2468, 0.4127

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.6271, 0.2435, 0.2121



66.7876, 0.2942, 0.2976



40.6850, 0.2590, 0.3270



13.9824, 0.2921, 0.2940



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.6271, 0.2435, 0.2121



26.2215, 0.2253, 0.1817



21.4578, 0.2788, 0.2226



8.7310, 0.2988, 0.3054



2.4129, 0.1511, 0.0606



0.0891, 0.1553, 0.0629

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.1555, 0.3193, 0.2363



39.7520, 0.3209, 0.2175



41.6302, 0.3362, 0.4365



9.1583, 0.3142, 0.3071



9.2653, 0.3279, 0.1580



0.3280, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 18.6264, 0.2435, 0.2121 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.6264, 0.2435, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

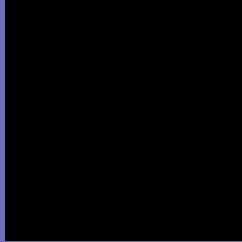
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6264, 0.2435, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 18.6264, 0.2435, 0.2121.

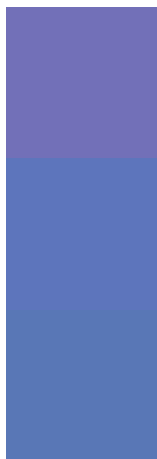


This preview shows how white text looks on a background with the Yxy color 18.6264, 0.2435, 0.2121.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.6264, 0.2435, 0.2121

Protanopia

18.6806, 0.2248, 0.2105

Deuteranopia

18.6949, 0.2262, 0.2207



Tritanopia

18.6842, 0.2781, 0.3094

Trichromacy



Original Color

18.6264, 0.2435, 0.2121

Protanomaly

18.6160, 0.2310, 0.2101

Deuteranomaly

18.5064, 0.2315, 0.2160

Tritanomaly

18.5248, 0.2637, 0.2683

Monochromacy



Original Color

18.6264, 0.2435, 0.2121

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8220, 0.2841, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6264, 0.2435, 0.2121 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(114, 112, 184)` looks like.

```
.text, #text, p{  
    color:rgb(114, 112, 184)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(114, 112, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 112, 184) }
```

Border

The CSS property to change the border of an element to Yxy 18.6264, 0.2435, 0.2121 is called "border". The border property can be set on classes, ids or directly on the HTML element.

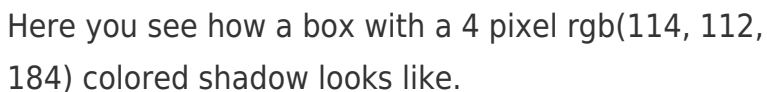
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 112, 184) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(114, 112, 184) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(114, 112, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 112, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 112, 184); box-shadow:4px 4px 4px 4px rgb(114, 112, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6264, 0.2435, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 112, 184) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(114,  
112, 184) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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